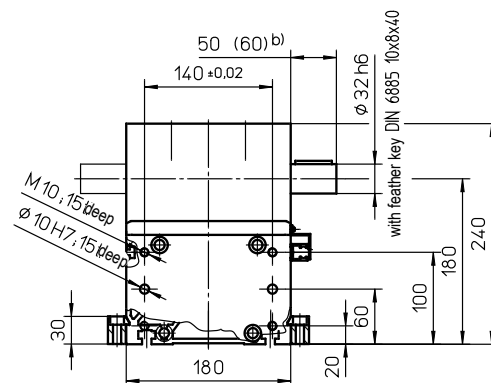


[illegible]

Mounting elements
see page B50

forces and moments

A 3D diagram of a beam element. The beam is represented by a grey rectangular block with a central cylindrical hole. Six arrows originate from the center of the beam, representing forces and moments. The arrows are labeled as follows: $+F_x$ (pointing right), $+M_x$ (curved arrow around the x-axis), $+F_y$ (pointing down), $+M_y$ (curved arrow around the y-axis), $+F_z$ (pointing down), and $+M_z$ (curved arrow around the z-axis).

	ASS
Forces	Dynamic [N]
$F_x^{d)}$	3500
F_y	8000
F_z	15000
$-F_z$	8000
Moments	Dynamic [Nm]
M_x	1800
M_y	3600
M_z	1800

The graph shows a linear decrease in normal force F_x as the traversing speed v increases. The data points are as follows:

Traversing speed v [m/s]	Normal force F_x [N]
2.5	3500
3.0	3375
3.5	3250
4.0	3125
4.5	3000
5.0	3025

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